ESE1/ELF3 Rabbit mAb

Catalog NO.: A5236 Recombinant 3 Publications

Basic Information

Observed MW
42kDa

Calculated MW
41kDa

Category
Monoclonal Antibodies

Applications
WB, ELISA, ChIP, CUT&Tag

Cross-Reactivity
Human, Mouse, Rat

Conjugation
Unconjugated

Clone number
ARC1191

Background

Enables DNA-binding transcription activator activity, RNA polymerase II-specific and sequence-specific double-stranded DNA binding activity. Involved in inflammatory response; negative regulation of transcription, DNA-templated; and positive regulation of transcription by RNA polymerase II. Located in Golgi apparatus; cytosol; and nucleoplasm.

Recommended Dilutions

WB 1:1000 - 1:6000

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

ChIP 5μg antibody for 10μg-15μg of Chromatin

CUT&Tag 10^5 cells /1 μg

Immunogen Information

Gene ID
1999

Swiss Prot
P78545

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
ERT; ESX; EPR-1; ESE-1; ESE1/ELF3

Contact

Product Information

order@abclonal.com
service@abclonal.com
www.abclonal.com

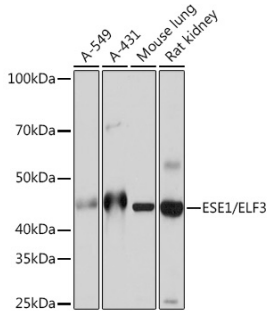
Source
Rabbit

Isotype
IgG

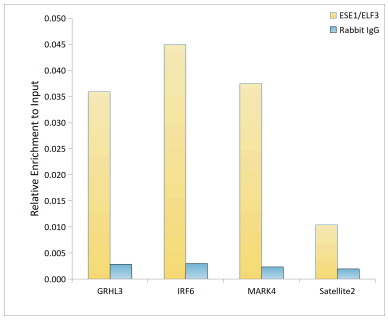
Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

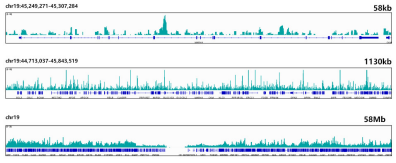
Validation Data



Western blot analysis of various lysates using ESE1/ELF3 Rabbit mAb (A5236) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



Chromatin immunoprecipitation analysis of extracts of Hep G2 cells, using ESE1/ELF3 antibody (A5236) and rabbit IgG.The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



CUT&Tag was performed using the CUT&Tag Assay Kit (pAG-Tn5) for Illumina(RK20265) from 10^5 Hep G2 with 1μg ESE1 (A5236) , along with a Goat Anti-Rabbit IgG(H+L). The CUT&Tag results indicate the enrichment pattern of ESE1 in representative gene loci (MARK4), as shown in figure.

For research use only. Not for therapeutic or diagnostic purposes.

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